SONY

3-753-286-21 (1)

Radio Cassette Player

WM-FX43

PROPERTY OF THE
NATIONAL TECHNICAL DEPT.

FILE COPY

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Owner's Record

The model number is located on the left side and the serial number is located inside the cassette holder.
Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. WM-FX43 Serial No. _____

Sony Corporation ©1991 Printed in Japan

Made with recycled paper

Precautions

Handling your Walkman

- Operate the unit on 3 V DC.
  For AC operation and car battery operation, use accessories recommended for the unit. Do not use any other type.
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock. Never leave the unit in a car parked in the sun.
- If the unit has not been used for a long time, set it in playback mode for a few minutes before inserting a cassette.

Tips on headphone listening

- Do not listen with headphones while driving, cycling, etc.
- Listen at a moderate volume to avoid damaging your ears and to avoid disturbing those close to you.

Note on cassettes longer than 90 minutes

The use of cassettes longer than 90 minutes is not recommended except for long continuous playback.

If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna
Relocate the equipment with respect to the receiver
Move the equipment away from the receiver
Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

SONY

AUDIO TAPE RECORDER
COMPACT DISC COMPACT PLAYER
ELECTRONIC 8MM VIDEO CAMERA
AND PLAYBACK ADAPTOR

LIMITED WARRANTY

SONY CORPORATION OF AMERICA ("SONY") warrants this product against defects in material or workmanship, as follows:

1. For a period of 90 days from the date of purchase, SONY will pay the labor charges of your SONY authorized service facility to repair the defective product. After this 90-day period, you must pay for all labor charges.
2. In addition, SONY will supply, at no charge, new or rebuilt replacements for defective parts for a period of 1 year from the original date of purchase.

Labor and Parts

To obtain warranty service during the initial 90 day period, you must take the product, or deliver the product prepaid, to a SONY authorized service facility.

Parts Only

During the remainder of the warranty period, any defective part will be replaced if it is taken, or delivered prepaid, to a SONY service center. Labor for removal and installation is available from your SONY authorized service facility or SONY service center at your discretion.

This warranty does not cover cosmetic damage, and damage due to acts of God, accident, misuse, abuse or negligence or the product, including the screens. This warranty is valid only to the United States of America.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the warranty period must be presented to obtain warranty service.

This warranty is void unless the serial number appears on the product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership up to one year after the expiration of your warranty, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

For your convenience, Sony Corporation of America has established the Customer Information Center to assist you with product or service information.

SONY CUSTOMER INFORMATION CENTER
201-930-SONY (7669)
714-821-SONY (7669)
708-390-SONY (7669)

or write to:

Sony Customer Information Center
Sony Drive, Mail Stop 1E1-11
Park Ridge, NJ 07656

SONY CORPORATION OF AMERICA
Sony Drive, Park Ridge, New Jersey 07656

Sony Service Centers

Arizona
Owner
Phoenix
2340 North Scottsdale Road
Tempe, AZ 85281
(602) 949-1668

California
Burbank (Los Angeles area)
4100 Riverside Drive, Suite A
Burbank, CA 91505
(818) 842-2400

Costa Mesa (Orange County area)
2133 Bristol Circle South
Costa Mesa, CA 92626
(714) 549-4833

Fair Oaks (Sacramento area)
11201 Fair Oaks Blvd.
Fair Oaks, CA 95628
(916) 967-2610

San Diego
8810 Clairemont Mesa
San Diego, CA 92123
(619) 278-2744

San Jose
1219 Old Oakland Road
San Jose, CA 95112
(408) 280-1668

Colorado
Denver
Havana Plaza Center
10700 East 9th Avenue
Aurora, CO 80014
(303) 755-1668

Florida
Fort Lauderdale
2580 North 29th Terrace
Hollywood, FL 33020
(305) 920-9830

Georgia
Atlanta
120 Interstate North Parkway East
Suite 100
Atlanta, GA 30339
(404) 953-5811

Hawaii
Honolulu
950 Maunakea Street
Honolulu, HI 96819
(808) 834-6622

Illinois
Allen (Chicago SW)
1940 North Cantwell Avenue
Allen, IL 60013
(312) 647-2400

Bloomfield (Chicago SW)
2030 Sth. Bloomingdale Avenue
Bloomfield, IL 60108
(312) 980 0049

Kansas
Kansas City
11112 West 89th Street
Overland Park
KS 66214
(913) 888-8822

Maryland (Washington D.C.)
Washington DC
1358 Hilton Lane
Langley Park, MD 20783
(301) 439-2500(7)

Massachusetts
Boston
590 Worcester Avenue
132 Wilbraham Industrial Center
Wilbraham, MA 01095
(413) 596-9190

Michigan
Detroit
43304 Grand River
Novi, MI 48050
(313) 344-4044

Minnesota
Minneapolis
4300 W. 78th Street
St. Louis Park, MN 55416
(612) 920-8060

Missouri
St. Louis
12462 S. Natural Bridge Road
Bridgeton, MO 63044
(314) 561-3301

New Jersey
Mahwah (NY Metropolitan Area)
1940 Route 17 South
Mahwah, NJ 07430
(201) 529 1818

Ohio
Cleveland
6370 York Road
Parma Heights, OH 44130
(216) 845 7864

Pennsylvania
Philadelphia
681 Park Avenue
King of Prussia, PA 19406
(215) 768-8980

Pittsburgh
Waterford Plaza
10850 Perry Highway (Rt. 19N)
Wexford, PA 15090
(412) 935-8488

Texas
Dallas
2611 Preston Valley Shopping Center
Dallas, TX 75230
(214) 661-3637

Houston
5111 Richmond Avenue
Houston, TX 77057
(713) 783-8781

Washington
Seattle
535 Fairway
Seattle, WA 98108
(206) 762 6500

Sony District Service Offices

Western Zone

Western District
Sony Service Company
2129 Bridge Street South
Costa Mesa, CA 92626
(714) 549-8208

Northwestern District
Sony Service Company
1366 Old Oakland Road
San Jose, CA 95112
(408) 280-1875

Southwestern District
Sony Service Company
3201 Premier Dr. Suite 100
Irving, TX 75063
(214) 550-5270

Central Zone

Mid-West District
Sony Service Company
7840 North Cantwell Avenue
Niles, IL 60648
(312) 647-2424

East Central District
Sony Service Company
28200 Town Center Drive
Suite 300 Novi, MI 48050
(313) 347 7281

Eastern Zone

Eastern District
Sony Service Company
389 Route 17 South
Mahwah, NJ 07430
(201) 529 1818

Mid-Atlantic District
Sony Service Company
681 Park Avenue
King of Prussia, PA 19406
(215) 768 8949

Southeastern District
Sony Service Company
120 Interstate North Parkway East
Suite 410
Atlanta, GA 30339
(404) 953 5858

Specifications

Radio section

Frequency range: FM 87.5 – 108 MHz (100 kHz step)
AM: 530 – 1,710 kHz (10 kHz step)
Antennas: FM: Headphone cord antenna
AM: Built-in ferrite bar antenna

Tape player section

Frequency response (Dolby NR off)
40 Hz – 15 kHz (Normal, CrO2/METAL)
Power output: 5 mW + 5 mW 26Ω at DC operation
Headphones (stereo minijack): load impedance 8 – 300Ω
Power requirements: 3 V DC
Two R6 (size AA) batteries
DC IN 3 V jack accepts
Optional Sony EBP-500B battery case for use with R20 (size D) batteries
Optional Sony AC-D2L power adaptor for use on 120 V AC, 60 Hz
Optional Sony DCC-70 car battery cord for use with 12 V car battery

Battery life

	Playback	Radio
Sony alkaline AM3 (N)	11	32
Sony SUM-3 (NS)	4	11

(Approximate hours)

Dimensions: Approx. 86.3 × 112 × 36.2 mm (w/h/d) (3 1/2 × 4 1/2 × 1 7/16 inches) not incl. projecting parts and controls
Weight: Approx. 250 g (8.8 oz) incl. batteries and belt clip
Accessories supplied: Stereo headphones (1)
Belt clip (1)

Design and specifications subject to change without notice

Optional accessories

AC power adaptor AC-D2L
Battery case EBP-500B
Car battery cord DCC-70
Stereo active speaker system SRS-37, SRS-57

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

Note: Use only the recommended AC power adaptor or car battery cord manufactured by Sony. Polarity of the plugs of other manufacturers may be different.

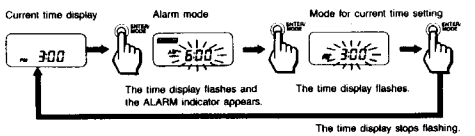
Polarity of this plug

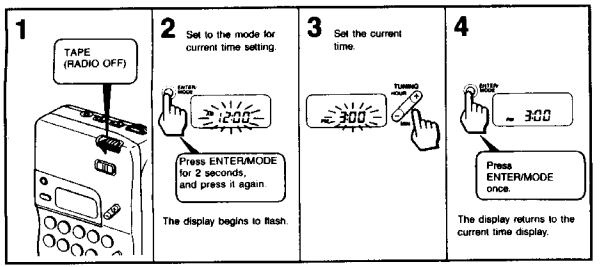
Clock Operation

Before operation, install the batteries.

You can change the operation mode in sequence by pressing the ENTER/MODE button.

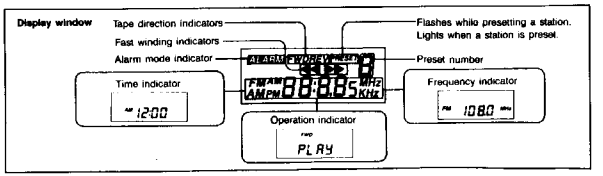
Set the function selector to TAPE (RADIO OFF).

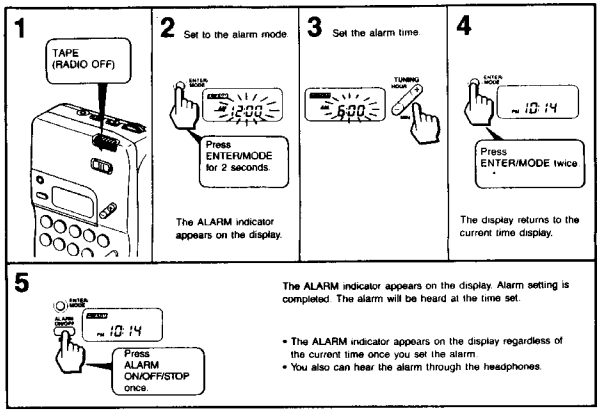

Current time display
Alarm mode
Mode for current time setting
The time display flashes and the ALARM indicator appears.
The time display flashes.
The time display stops flashing.


1
TAPE (RADIO OFF)
2
Set to the mode for current time setting.
Press ENTER/MODE for 2 seconds, and press it again.
The display begins to flash.
3
Set the current time.
4
Press ENTER/MODE once.
The display returns to the current time display.

- If you keep pressing the HOUR and MIN (minute) buttons, the digits advance in sequence.
- The hour display does not advance even when the minute display returns to "00" after "59".

To change the hour display
The hour display is on a 12-hour cycle.
To change it to 24-hour cycle, press TUNING − for about 2 seconds.
To return it to 12-hour cycle, press TUNING + for about 2 seconds.

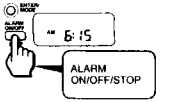



1
TAPE (RADIO OFF)
2
Set to the alarm mode.
Press ENTER/MODE for 2 seconds.
The ALARM indicator appears on the display.
3
Set the alarm time.
4
Press ENTER/MODE twice.
The display returns to the current time display.
5
Press ALARM ON/OFF/STOP once.
The ALARM indicator appears on the display. Alarm setting is completed. The alarm will be heard at the time set.
• The ALARM indicator appears on the display regardless of the current time once you set the alarm.
• You also can hear the alarm through the headphones.

To stop the alarm

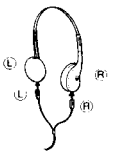
- If you do not press the ALARM ON/OFF/STOP button, the alarm will stop automatically after 3 minutes.
- The preset alarm time cannot be canceled even if you press the ALARM ON/OFF/STOP button.

To cancel the alarm

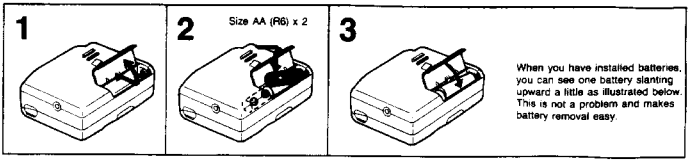


ALARM indicator goes off.

Note on stereo headphones
The headphone cord is detachable. When you attach it, pay attention to the Ⓛ and Ⓡ marks. Connect the same marks.



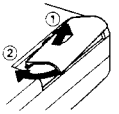
Installing Batteries

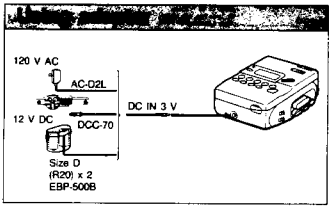

1
2
Size AA (R6) x 2
3
When you have installed batteries, you can see one battery slanting upward a little as illustrated below. This is not a problem and makes battery removal easy.

Notes on batteries

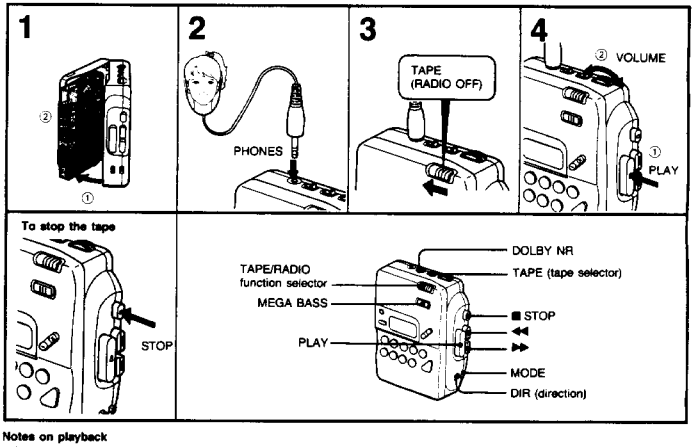
- Remove the batteries when you will not use the unit for a long time to prevent damage from battery leakage and corrosion.
- The internal batteries are disconnected when you plug a cord into DC IN 3 V.
- When the batteries are run down, the sound becomes unstable. Try a new set of batteries in this case.

If the battery compartment lid is detached by an accidental drop, excessive force etc., attach it as illustrated in the numbered order.





Tape Playback



Notes on playback

- At the end of the tape, ◀ PLAY will be released automatically in case that the MODE selector is set to ⇄. After winding the tape with ◀◀ or ▶▶, you must press ■ STOP.
- Do not open the cassette holder while the tape is running.
- The DIR selector functions even in the stop mode.
- The sheet inside the cassette holder protects the mechanism when the unit is transported without a cassette inside. Remove the sheet before using the unit.
- When the batteries are exhausted, be sure to press ■ STOP.

To listen to the other side of the cassette during playback	
To stop the tape	
To wind the tape rapidly	
To check the direction of the tape transportation	See FWD or REV indicator.

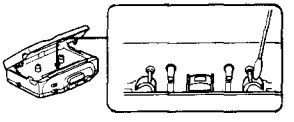
To play back both sides of the cassette once If you begin playback on the reverse side, the unit will shut off at the end of that side of the tape.
To play back both sides of the cassette repeatedly

For normal (TYPE I) tapes	
For CrO_2 (TYPE II) tapes or metal (TYPE IV) tapes	
For Dolby B NR* processed tapes	

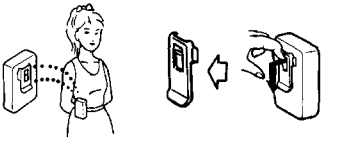
*Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ⧈ are trademarks of Dolby *Laboratories Licensing Corporation.*

Set the MEGA BASS selector to your preference.
Bass sound is emphasized in the order of NORM, MID and MAX.

- To enjoy optimum stereo sound, wipe the head, capstans and pinch-rollers with a cotton swab moistened with alcohol after every 10 hours of use.

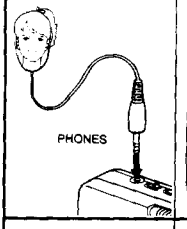


- Keep the plug of your headphones clean to obtain the optimum stereo sound. Wipe it with a dry, soft cloth.
- Do not use alcohol, benzine or thinner to clean the case.

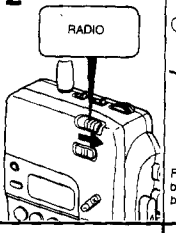


Radio Reception

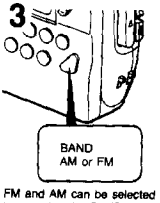
1



2

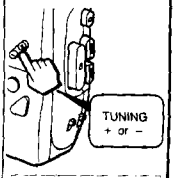


3



FM and AM can be selected by pressing the BAND button.

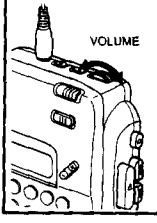
4



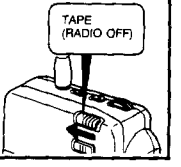
\+ For higher frequency

– For lower frequency

5



To stop reception



Note

You should remove the cassette tape if it has a metallic cassette shell or labels. Such cassettes may cause interference or difficulty in tuning.

FM

Since the headphone cord serves as an FM antenna, extend it for better reception.

AM

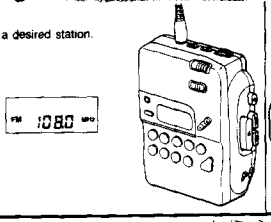
Since the reception is affected by the direction of the unit, rotate the unit horizontally for optimum reception.

Use the FM SENS selector (the function selector).
For FM reception, normally set to DX. If a very strong station signal causes noise, set to LOCAL. The noise will be reduced.

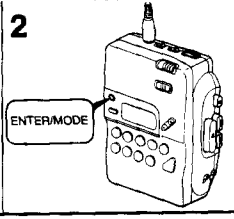
Preset Tuning

You can preset up to 9 stations in each band (AM, FM).
Preset a station while the PRESET indicator flashes for 5 seconds.

1 Tune in a desired station.



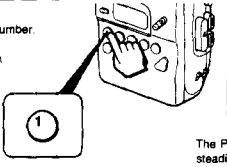
2

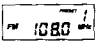


The PRESET indicator appears and begins to flash.

3 Put the station into a preset number.

Example: To preset the station on the 1 button.

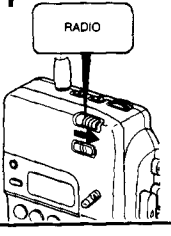




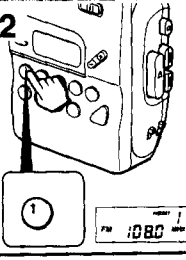
The PRESET indicator stops flashing and lights steadily. The preset number appears. Presetting is completed.

To stop the presetting operation just after pressing the ENTER/MODE button, press the button again.
The PRESET indicator goes off.

1



2



Press the button you have preset the station on.
Example: To receive the station preset on the 1 button.

The PRESET indicator and number appear.

To use in Japan

This unit is factory preset to tune in the stations of the frequency range of U.S.A. and Canada. When you use the unit in other countries, change the receivable frequency range.

1 Turn on the radio.
2 **To use in Japan**
Keep ALARM ON/OFF/STOP and then TUNING + pressed for 7 seconds. The receivable frequency range becomes as follows.
FM 76.0 – 90 MHz (100 kHz step)
AM 531 – 1,710 kHz (9 kHz step)

To use in other countries
Keep ALARM ON/OFF/STOP and then TUNING – pressed for 7 seconds. The receivable frequency range becomes as follows.
FM 87.5 – 108 MHz (50 kHz step)
AM 531 – 1,602 kHz (9 kHz step)

To return to the frequency range of U.S.A. and Canada, keep ALARM ON/OFF/STOP pressed for 7 seconds.

When the frequency range has changed, the display turns off and turns on again with beep sound. The display will show the frequency of that you changed to.

Note
If you change the frequency range, all preset stations, current time, and alarm time are canceled.

To cancel all preset stations

1 Turn on the radio.
2 Keep ALARM pressed for 7 seconds.
The display turns off and turns on again with beep sound. The display will show AM 530 kHz.
All preset stations, current time, and alarm time are canceled.